Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/08/2019 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126783	1	3.12	126771	3.08
Blue	F	SSC	125000	124473	-1	1.88	125280	1.90
Blue	E	FITC	16122	15757	-3	3.17	343	19.68
Blue	D	PE	29316	28933	-2	2.62	633	14.93
Blue	B	PerCP-Cy5-5	42590	42255	-1	3.99	1136	20.81
Blue	A	PE-Cy7	33146	33543	1	6.50	639	41.20
Red	C	APC	45473	44881	-2	2.77	1592	12.35
Red	A	APC-Cy7	31961	30960	-4	2.83	820	12.32
Violet	B	V450	7914	7470	-6	3.94	417	13.45
Violet	A	V500	29769	29009	-3	3.70	674	10.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21602	4.01	611	11	N/A	N/A	Pass
Blue	F	SSC	56264	1.80	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	541	4	0.0218	197	Pass
Blue	D	PE	132	49.42	543	6	0.1543	248	Pass
Blue	B	PerCP-Cy5-5	209	50.49	646	8	0.0086	48	Pass
Blue	A	PE-Cy7	120	103.22	701	10	0.0109	22	Pass
Red	C	APC	377	25.80	587	8	0.0236	155	Pass
Red	A	APC-Cy7	180	29.46	563	7	0.0053	998	Pass
Violet	B	V450	64	58.87	466	6	0.0429	1582	Pass
Violet	A	V500	101	34.64	479	7	0.0217	834	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.77	-31.66	0.95
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	15.76	13.60 - 20.40	N/A	N/A	29.43	29.66	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12014

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments